

PAX6 (Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone PAX6/15994]

| Catalog No | Format | Size |
|------------------|--|--------|
| 5080-MSM33-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 5080-MSM33-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 5080-MSM33-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|------------------------|--|
| Clone | PAX6/15994 |
| Immunogen | Recombinant fragment (around aa 165-284) of human PAX6 protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2a |
| Mol. Weight of Antigen | 46.68kDa |
| Cellular Localization | Nucleus |
| Species Reactivity | Human |
| Positive Control | Expressed in lymphoblasts |

**Optimal dilution for a specific application should be determined.*

Product Images for PAX6 (Stem Cell Marker) Antibody

Specificity & Comments

Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells (By similarity). Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). Acts as a transcriptional repressor of NFATC1-mediated gene expression (By similarity).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.